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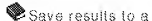
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1 [Qos in node-disjoint routing for ad hoc networks](#)



[Leo Liu, Laurie Cuthbert](#)

October 2007 **PE-WASUN '07: Proceedings of the 4th ACM workshop on Performance evaluation of wireless ad hoc, sensor, and ubiquitous networks**

Publisher: ACM

Full text available: [Pdf](#) (242.47 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 89, Citation Count: 0

A mobile ad hoc network (MANET) is a collection of mobile nodes that can communicate with each other without using any fixed infrastructure. To support multimedia applications such as video and voice MANETs require an efficient routing protocol and quality ...

Keywords: agent-based SLA management, multipath, node-disjoint

2 [The anatomy of a context-aware application](#)

[Andy Harter](#), [Andy Hopper](#), [Pete Steggles](#), [Andy Ward](#), [Paul Webster](#)

March 2002 **Wireless Networks**, Volume 8 Issue 2/3

Publisher: Kluwer Academic Publishers

Full text available: [Pdf](#) (317.51 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 97, Citation Count: 11

We describe a sensor-driven, or sentient, platform for context-aware computing that enables applications to follow mobile users as they move around a building. The platform is particularly suitable for richly equipped, networked environments. The only ...

Keywords: CORBA, HCI, context-aware computing, location sensors, middleware, mobile computing, resource monitoring, sentient computing, spatial indexing, visualisation

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3 Mariposa: a wide-area distributed database system

Michael Stonebraker, Paul M. Aoki, Witold Litwin, Avi Pfeffer, Adam Sah, Jeff Sidell, Carl Staelin, Andrew Yu

January 1996 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 5 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available:  [Pdf](#) (172.75 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 103, Citation Count: 62

The requirements of wide-area distributed database systems differ dramatically from those of local-area network systems. In a wide-area network (WAN) configuration, individual sites usually report to different system administrators, have different access ...

Keywords: Autonomy, Databases, Distributed systems, Economic site, Name service, Wide-area network


4 Rumours and reputation: evaluating multi-dimensional trust within a decentralised reputation system



Steven Fleece, Alex Rogers, Stephen Roberts, Nicholas R. Jennings

May 2007 **AAMAS '07: Proceedings of the 6th international joint conference on Autonomous agents and multiagent systems**

Publisher: ACM

Full text available:  [Pdf](#) (293.49 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 96, Citation Count: 0

In this paper we develop a novel probabilistic model of computational trust that explicitly deals with correlated multi-dimensional contracts. Our starting point is to consider an agent attempting to estimate the utility of a contract, and we show that ...

Keywords: Dirichlet distribution, multi-dimensional trust, rumour propagation


5 MORPHEUS: motif oriented representations to purge hostile events from unlabeled sequences



Gaurav Tandon, Philip Chan, Debasis Mitra

October 2004 **VizSEC/ DMSEC '04: Proceedings of the 2004 ACM workshop on Visualization and data mining for computer security**

Publisher: ACM

Full text available:  [Pdf](#) (272.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 49, Citation Count: 1

Most of the prevalent anomaly detection systems use some training data to build models. These models are then utilized to capture any deviations resulting from possible intrusions. The efficacy of such systems is highly dependent upon a training data ...

Keywords: anomaly detection, data cleaning, motifs

6 [NSJ: an efficient non-blocking spatial join algorithm](#)



[Guifen Tang](#), [Jose F. Corcoles](#), [Ning Jing](#)

November

GIS '06: Proceedings of the 14th annual ACM international symposium on Advances in geographic information systems

Publisher: ACM

Full text available: [PDF](#) (484.63 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 39, Citation Count: 0

This paper introduces an efficient non-blocking spatial join (NSJ, for short) algorithm to deal with spatial objects from remote sources via underlying network. The objectives of NSJ are: (1) start reporting the first output join results as soon as possible, ...

Keywords: BEA, DCFP, non-blocking, spatial join

7 [High-level interconnect model for the quantum logic array architecture](#)



[Tzvetan S. Metodji](#), [Daishan D. Thaker](#), [Andrew W. Cross](#), [Isaac L. Chuang](#), [Frederic T. Chong](#)

March

Journal on Emerging Technologies in Computing Systems (JETC),

2008 Volume 4 Issue 1

Publisher: ACM

Full text available: [PDF](#) (525.94 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 358, Citation Count: 0

We summarize the main characteristics of the quantum logic array (QLA) architecture with a careful look at the key issues not described in the original conference publications: primarily, the teleportation-based logical interconnect. The design goal ...

Keywords: QLA, Quantum computer architecture design, fault tolerance, large scale, quantum, teleportation

8 [Opportunistic and cooperative spatial multiplexing in MIMO ad hoc networks](#)



[Shan Chu, Xin Wang](#)

May **MobiHoc '08**: Proceedings of the 9th ACM international symposium on 2008 Mobile ad hoc networking and computing

Publisher: ACM

Full text available: [PDF](#) (289.18 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 51, Downloads (12 Months): 375, Citation Count: 0

It is important and challenging to develop efficient schemes to coordinate node transmissions in a MIMO-based ad hoc network. In this work, we propose a scheme to fully exploit the multiuser diversity and spatial diversity by taking advantage of the ...

Keywords: MIMO, ad hoc networks, cross-layer design, scheduling, spatial multiplexing

9 [Performance analysis of mobility-assisted routing](#)



[Thrasvoulos Spyropoulos, Konstantinos Psounis, Cauligi S. Raghavendra](#)

May **MobiHoc '06**: Proceedings of the 7th ACM international symposium on 2006 Mobile ad hoc networking and computing

Publisher: ACM

Full text available: [PDF](#) (340.17 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 32, Downloads (12 Months): 225, Citation Count: 15

Traditionally, ad hoc networks have been viewed as a connected graph over which end-to-end routing paths had to be established. Mobility was considered a necessary evil that invalidates paths and needs to be overcome in an intelligent way to allow for ...

Keywords: ad-hoc networks, delay tolerant networks, hitting times, intermittent connectivity, mobility modelling, routing

10 [ESCORT: a decentralized and localized access control system for mobile](#)



[wireless access to secured domains](#)

[Jieun Kong, Shrishanka Das, Edward Tsai, Mario Gerla](#)

September **WiSe '03**: Proceedings of the 2nd ACM workshop on Wireless 2003 security

Publisher: ACM

Full text available: [PDF](#) (401.72 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 61, Citation Count: 1

In this work we design and implement ESCORT, a *backward compatible*, *efficient*, and *secure* access control system, to facilitate mobile wireless access to secured wireless LANs. In mobile environments, a mobile guest may frequently ...

Keywords: decentralized access control, identity privacy, location privacy, mobile privacy, wireless security

11 [Asynchronous wakeup for ad hoc networks](#)



Rong Zheng, Jennifer C. Hou, Lui Sha

June **MobiHoc '03: Proceedings of the 4th ACM international symposium on 2003 Mobile ad hoc networking & computing**

Publisher: ACM

Full text available: [Pdf](#) (218.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 145, Citation Count: 40

Due to the slow advancement of battery technology, power management in wireless networks remains to be a critical issue. Asynchronous wakeup has the merits of not requiring global clock synchronization and being resilient to network dynamics. This paper ...

Keywords: asynchronous wakeup, block design and ad hoc networks, power management

12 [Implementation of a UMTS Turbo-Decoder on a Dynamically Reconfigurable Platform](#)

Alberto La Rosa, Claudio Passerone, Francesco Gregoretti, Luciano Lavagno

February **DATE '04: Proceedings of the conference on Design, automation and test in Europe - Volume 2**, Volume 2

Publisher: IEEE Computer Society

Full text available: [Pdf](#) (170.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 39, Citation Count: 3

Modern embedded systems must execute a variety of high performance real-time tasks, such as audio and image compression and decompression, channel coding and encoding, etc. Reconfigurable platforms can effectively be used in these cases, because they ...

13 [A prioritized real-time wireless call degradation framework for optimal call mix selection](#)

April 2002 **Mobile Networks and Applications** , Volume 7 Issue 2

Publisher: Kluwer Academic Publishers

Full text available:  [Pdf](#) (173.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 12, Citation Count: 2

This paper describes a framework for selecting the optimal call mix to be admitted while employing a bandwidth degradation policy in a wireless cellular network. The optimal property is achieved by maximizing the revenue generated by different calls ...


Keywords: admission control, call degradation, simulated annealing, wireless cellular networks

14 [Engineering grid applications and middleware for high performance](#)

 [Umar Farooq](#), [Shikharesh Majumdar](#), [Eric W. Parsons](#)

February 2007 **WOSP '07: Proceedings of the 6th international workshop on Software and performance**

Publisher: ACM


Full text available:  [Pdf](#) (538.50 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 81, Citation Count: 1

Meeting QoS objectives of applications while maintaining high system utilization is a challenging task in multi-institutional Grids. In this paper, we effectively engineer Grid applications and resource management middleware for achieving user satisfaction ...


Keywords: QoS in grids, grid computing, grid scheduling, matchmaking, resource management, service oriented architecture

15 [The Georgia Tech Network Simulator](#)

 [George F. Riley](#)

August 2003 **MoMeTools '03: Proceedings of the ACM SIGCOMM workshop on Models, methods and tools for reproducible network research**

Publisher: ACM

Full text available:  [Pdf](#) (115.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 197, Citation Count: 32

We introduce a new network simulation environment, developed by our research group, called the *Georgia Tech Network Simulator (GTNetS)*. Our simulator is designed specifically to allow much larger-scale simulations than can easily be created ...

Keywords: Distributed Simulation, Large-Scale Simulations, Network Simulation

16 [On the improvement of the network QoS in a grid environment](#)



[Agustin Caminero](#), [Carmen Carrion](#), [Blanca Caminero](#)

November 2006 **MCG '06: Proceedings of the 4th international workshop on Middleware for grid computing**

Publisher: ACM

Full text available: [Pdf](#) (83.87 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 46, Citation Count: 0

Grid systems are highly variable environments, made of a series of independent organizations that share their resources, creating what is known as *virtual organization*, VO. This variability makes quality of service (QoS) highly desirable, ...

Keywords: GridSim, grid network broker (GNB), grid systems, network QoS

17 [A framework for guaranteeing statistical QoS](#)

[Martin Reisslein](#), [Keith W. Ross](#), [Srinivas Rajagopal](#)

February 2002 **IEEE/ ACM Transactions on Networking (TON)**, Volume 10 Issue 1

Publisher: IEEE Press

Full text available: [Pdf](#) (352.22 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 67, Citation Count: 9

Continuous-media traffic (i.e., audio and video) can tolerate some loss but has rigid delay constraints. A natural QoS requirement for a continuous-media connection is a prescribed limit on the fraction of traffic that exceeds an end-to-end delay constraint. ...

Keywords: Bufferless multiplexing, call admission control, end-to-end QoS, multimedia traffic, regulated traffic, statistical QoS, statistical multiplexing, traffic smoothing

18 [Timed Petri nets as a verification tool](#)

[Miryam Barad](#)

December 1998 **WSC '98: Proceedings of the 30th conference on Winter simulation**

Publisher: IEEE Computer Society Press

Full text available: [Pdf](#) (75.25 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 26, Citation Count: 0

19 [Spanning tree based state encoding for low power dissipation](#)



[Winfried Nöth](#), [Reiner Koila](#)

January 1999 **DATE '99: Proceedings of the conference on Design, automation and test in Europe**

Publisher: ACM

Full text available: [Pdf](#) (124.66 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 10, Citation Count: 4

20 [Timing-power optimization for mixed-radix ling adders by integer linear programming](#)

[Yi Zhu, Jianhua Liu, Haikun Zhu, Chung-Kuan Cheng](#)

January 2008 **ASP-DAC '08: Proceedings of the 2008 conference on Asia and South Pacific design automation**

Publisher: IEEE Computer Society Press

Full text available:  [Pdf](#) (321.22 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index](#), [terms](#)





Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 43, Citation Count: 0

This paper optimizes timing and power consumption of mixed-radix Ling adders with the physical area constraints using an integer linear programming formulation. Each cell in the prefix network is flexible to have different radix and size, and Ling carries ...

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